

# Hurricane Student Activity Book

## I. Introduction

Did you know that hurricanes are the largest most destructive storms on Earth? Hurricanes can produce tornadoes, large hail, severe flooding and erosion as well as strong winds.

We know how bad the hurricane is and we can predict where it will go with reasonable accuracy. This is possible because of satellite technology and both Air Force and civilian Hurricane Hunter aircraft flying directly into the storms themselves. Hurricane Hunters and the staff of the National Hurricane Center have saved thousands of lives. People living in areas likely to be hit by a hurricane have time to prepare for these huge powerful storms long before they strike.

### Get Info Objectives

1. Describe when and where hurricanes form.
2. Describe what is necessary for hurricanes to strengthen.
3. Describe what parts of the hurricane are most damaging.

### Gather Data Objectives

1. Graph information on wind speed, atmospheric pressure, and storm surge.
2. Convert miles per hour to knots. (Knots are like miles per hour for boats.)
3. Trace the path of the worst hurricane in the year you were born.

### **Application Objectives**

1. Use the graphs you make to find the wind speed and storm tide of hurricanes.
2. Determine the effect of storm tide on coastal areas.
3. Hypothesize what would happen if a major hurricane where you live.